



## SYRINGE INFUSION PUMP

- Suitable for Cardiothoracic Patients
- Rugged and Strong design for rough use
- Compact (2.4 ltr) & Light weight(1.75kg)
- 0.1 to 1200ml/hr flow rate
- Long battery back up (up to 10 Hrs )
- Dosage ramp up and taper down function
- Custom programmable mode to accept any brand of syringe
- Auto / Purge bolus facility
- Multiple safety alarm facility
- Inline program during infusion

# AKAS SYRU 4004

## FRONT LOADING SYRINGE PUMP



### 1.75 KG WEIGHT

Weightless, carrying 4 pumps, mobility is comfortable.

### ANTI BOLUS FUNCTION

Automatic pressure reduction on the drug delivery line during Occlusion Alarm.

### PORTING MULTIPLE PUMPS

Easily port 4 pumps on a carrying stand. Enhances patient mobility.

Anti - Bolus



### SMALL & COMPACT

Small & compact, occupies less space near the patient even when 5 pumps are stacked. Allows easy access for medical & paramedical staff.

### DELIVERY LINE DISCONNECTED ALARM

Safety alarms are generated when drug delivery line is accidentally disconnected from patient.

### SINGLE POWER CABLE

Single power cable distributes to 5 pumps, thereby avoiding power chord clustering, saving space, no necessity of multiple power sockets on the wall.



## SPECIFICATION

Power Supply (I/P)	: AC 220V to 240V 50Hz		
Battery	: 12V Ni-MH Battery		
Battery Backup	: 10hrs @ 5ml/hr Flow rate on 50ml Syringe		
Power Consumption	: 7 VA		
Applicable Syringe	: 5ml, 10ml, 20ml, 30ml & 50ml Syringe from JMS, Braun, Dispovan, BD and Custom Programmable for Any brand of Syringe.		
Automatic Syringe Detector	: Available		
Custom Programmable Syringe	: Available		
Flow Rate Range	<b>IN AC Mode</b>	<b>IN Battery Mode</b>	
	: 0.1 - 200 ml/Hr	70 ml/Hr	(5ml Syringe)
	: 0.1 - 300 ml/Hr	110 ml/Hr	(10ml Syringe)
	: 0.1 - 500 ml/Hr	190 ml/Hr	(20ml Syringe)
	: 0.1 - 700 ml/Hr	260 ml/Hr	(30ml Syringe)
	: 0.1 - 1200 ml/Hr	400 ml/Hr	(50ml Syringe)
Infused Volume	: 0.1 - 999.9 ml		
Elapsed Time	: Display of Elapsed time from 00:01 to 99:59 hrs		
Modes	: Flow Rate only. Flow Rate & Target volume. Flow Rate & Target Time. Target volume and target time		
Bolus	: Purge Bolus & Auto Bolus		
Bolus Flow Rate	<b>IN AC Mode</b>	<b>IN Battery Mode</b>	
	: 10 - 200 ml/hr	70 ml/Hr	(5 ml Syringe)
	: 10 - 300 ml/hr	110 ml/Hr	(10ml Syringe)
	: 10 - 500 ml/hr	190 ml/Hr	(20ml Syringe)
	: 10 - 700 ml/hr	260 ml/Hr	(30ml Syringe)
	: 10 - 1200 ml/hr	400 ml/Hr	(50ml Syringe)

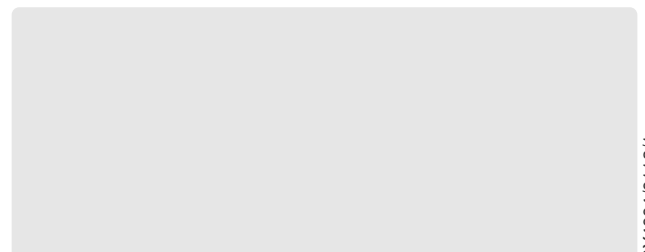
Anti Bolus Function	: Available Automatic pressure reduction on the drug delivery line during Occlusion Alarm	
Bolus Volume	: 0.1ml to 10 ml in 0.1 ml increments	
Dosage Taper Up/ Down (Sequential Mode)	: Available with 10 different programs	
KVO	: 0.1ml/Hr to 9.9ml/Hr in 0.1 ml increment.	
Occlusion Pressure	: 10 steps selection (OFF to 9 Levels)	
<b>Alarms</b>	<b>tAr.1</b>	- Target Volume reached
	<b>tAr.2</b>	- Target time reached
	<b>End</b>	- End of Syringe
	<b>PCA.d</b>	- PCA Probe disconnected
	<b>occl</b>	- Occlusion
	<b>OFF</b>	- Battery discharged
	<b>AL 1</b>	- Syringe holder disturbed during infusion
	<b>AL 2</b>	- Syringe Disengaged while running
	<b>AL 3</b>	- Motor unable to drive
	<b>AL 4</b>	- Mains to Battery F/R High reduce F/R <=200
<b>AL 5</b>	- AC Power over limit	
<b>AL 6</b>	- AC Voltage below 215	
<b>AL 9</b>	- Syringe not engaged	
Audio/Visual Indication: & Alarms	Target reached (time or volume), End of syringe, Occlusion, Battery discharged, Motor unable to drive, Syringe not engaged, Near Empty, Battery low, Operation on mains / battery	
Display	: Four 7 segment Display	
Accuracy	: Mechanical Accuracy ±1% Including Syringe ± 3%	
Dimension	: 170 X 107 X 135 ( L x B x H)	
Space Occupied	: 2.4 ltrs	
Weight	: 1.75 kg	

### Product Ordering Code:



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\*Specifications are subject to change without notice

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